

DOCKET NO.: M0925.70108US00


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Yet-Ming Chiang, et al.
Serial No.: 10/021,740
Confirmation No.: 1110
Filed: October 22, 2001
For: RETICULATED AND CONTROLLED POROSITY BATTERY
STRUCTURES

Examiner: Maples, John S.
Art Unit: 1745

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 8 day of September, 2004.


Signature

MAIL STOP AMENDMENT

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

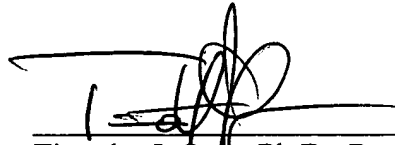
- Information Disclosure Statement
- PTO Form 1449 with cited references
- Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 646-8000, Boston, Massachusetts.

A check in the amount of \$180.00 is enclosed to cover the fee for the Information Disclosure Statement. If any additional fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,

By:



Timothy J. Oyar, Ph.D., Reg. No.: 36,628
Tani Chen, Sc.D., Reg. No.: 52,728
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Date: September 8, 2004
x10/01/04



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Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed more than three months after the filing date of this application and after the mailing date of the first Office Action, but before the mailing date of either a final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in this application.

The fee of \$180 as set forth in 37 C.F.R. §1.17(p) is enclosed.

PART II: Information Cited

A. The Applicants hereby make of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

B. The Applicants hereby make the following additional information of record in the above-identified application.

1. The Applicants would like to bring to the Examiner's attention the following co-pending application that may contain subject matter related to this application:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Title of Application</u>	<u>Atty. Docket</u>
10/329,046	12/23/02	Conductive Lithium Storage Electrode	M0925.70128US00

2. The Applicants would like to bring to the Examiner's attention the enclosed Search Report, IPER and Written Opinion from corresponding International Application No. PCT/US 01/48345, filed 22/10/2001.

PART V: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicants make no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicants, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

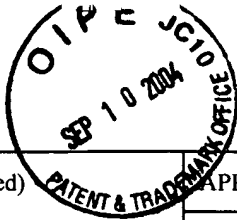
An early and favorable action is hereby requested.

Respectfully submitted,

By: 

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Tani Chen, Sc.D., Reg No. 52,728
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Date: September 8, 2004
XNDDX



FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 10/021,740		ATTY. DOCKET NO.: M0925.70108US00	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: October 22, 2001		CONFIRMATION NO.: 1110	
		APPLICANT: Yet-Ming Chiang, et al.			
		GROUP ART UNIT: 1745		EXAMINER: Maples, John S.	
Sheet	1	of	2		

U.S. PATENT DOCUMENTS

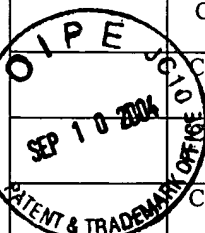
Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	A14	4,758,483		Armand et al.	07-19-1988
	A15	6,231,779	B1	Chiang et al.	05-15-2001
	A16	6,599,662	B1	Chiang et al.	07-29-2003
	A17	2002/0036282	A1	Chiang et al.	03-28-2002
	A18	2002/0048706	A1	Mayes et al.	04-25-2002
	A19	2003/0099884	A1	Chiang et al.	05-29-2003
	A20	2004/0005265	A1	Chiang et al.	01-08-2004

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
	B3	JP	7101728	A	Tosoh Corp	04-18-1995	
	B4	JP	9022693	A	Matsushita Electric Ind Co Ltd	01-21-1997	
	B5	WO	98/12761	A1	Valence Technology, Inc.	03-26-1998	
	B6	WO	98/16960	A2	Massachusetts Institute of Technology	04-23-1998	
	B7	WO	99/56331	A1	Massachusetts Institute of Technology	11-04-1999	
	B8	WO	99/33129	A1	Stanford Res Inst Int (US)	07-01-1999	
	B9	WO	00/41256	A1	Massachusetts Institute of Technology	07-13-2000	
	B10	WO	01/77501	A2	Massachusetts Institute of Technology	10-18-2001	
	B11	WO	02/43168	A2	Massachusetts Institute of Technology	05-30-2002	
	B12	WO	03/012908	A2	Massachusetts Institute of Technology	02-13-2003	
	B13	WO	03/056646	A1	Massachusetts Institute of Technology	07-10-2003	

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C1	BOURIDAH, A. et al., "Poly(Dimethylsiloxane)-Poly(Ethylene Oxide) Based Polyurethane Networks Used as Electrolytes in Lithium Electrochemical Solid State Batteries," <i>Solid State Ionics</i> , 15 (1985) pp. 233-240	
	C2	CHIANG, Y.-M. et al., "High Capacity, Temperature-Stable Lithium Aluminum Manganese Oxide Cathodes for Rechargeable Batteries," <i>Electrochem Sol St Lett</i> , 2 (3) (1999) pp. 107-110	
	C3	IDOTA, Y. et al., "Tin-Based Amorphous Oxide: A High-Capacity Lithium-Ion-Storage Material," <i>Science</i> , Vol. 276 (30 May 1997) pp. 1395-1397	
	C4	Le CRAS, F. et al., "Lithium intercalation in Li-Mg-Mn-O and Li-Al-Mn-O spinels," <i>Solid State Ionics</i> , 89 (1996) pp. 203-213	
	C5	LIMTHONGKUL, P. et al., "Nanocomposite Li-Ion Battery Anodes Produced by the Partial Reduction of Mixed Oxides," <i>Chem Mat</i> , 13 (2001) pp. 2397-2402	
	C6	MATSUMOTO, Osamu et al., "Vaporization of Graphite in Plasma Arc and Identification of C60 in the Deposit," <i>J. Electrochem. Soc.</i> , Vol. 139, No. 1, January 1992	
	C7	MINETT, M.G. et al, "Polymeric Insertion Electrodes," <i>Solid State Ionics</i> , 28-30 (1988), pp. 1192-1196	



	C8	NAGAOKA, K. et al, "High Ionic Conductivity in Poly(dimethyl Siloxane-co-Ethylene Oxide) Dissolving Lithium Perchlorate," Dept. of Chemistry, Sophia University, pp 659-663		
	C9	OHZUKU, Tsutomu et al., "Synthesis and Characterization of $\text{LiAl}_{1/4}\text{Ni}_{3/4}\text{O}_2$ (R3m) for Lithium-Ion (Shuttlecock) Batteries," J. Electrochem. Soc., Vol. 142, No. 12, Decmeber 1995, pp. 40334039		
	C10	International Search Report for International Application No. PCT/US 01/48345, mailed 2/20/03		
	C11	Written Opinion for International Application No. PCT/US 01/48345, mailed 8/22/03		
	C12	International Preliminary Examination Report for International Application No. PCT/US 01/48345, mailed 2/25/04		

EXAMINER	DATE CONSIDERED
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#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).